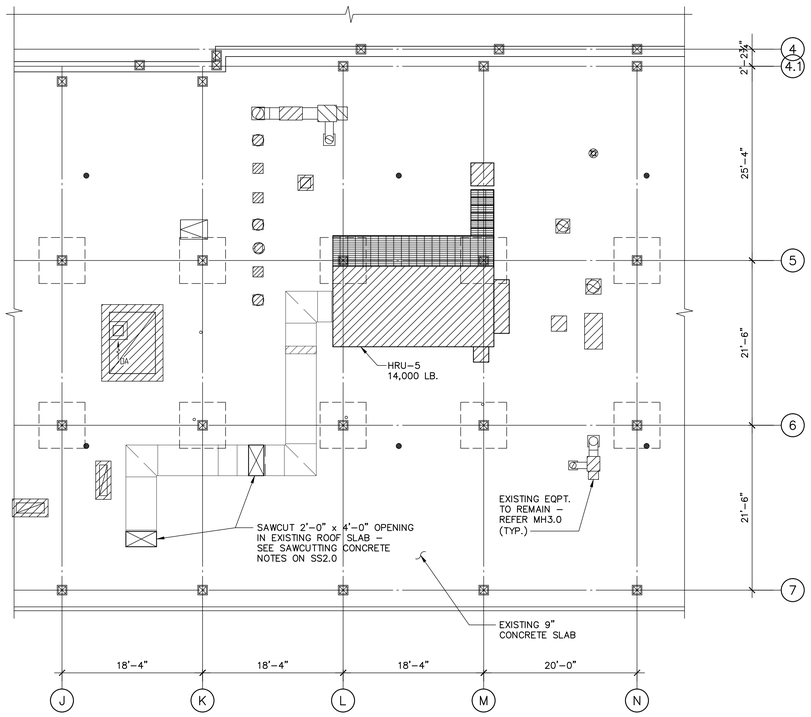
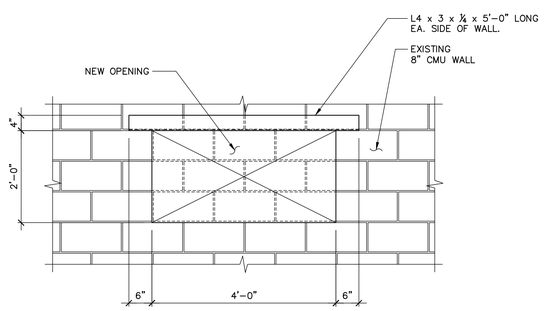


REFER TO MH3.0 FOR INFO NOT REPEATED.

PLAN NORTH

01 ROOF PLAN AT HRU-5

SCALE: 1/8"=1'-0"

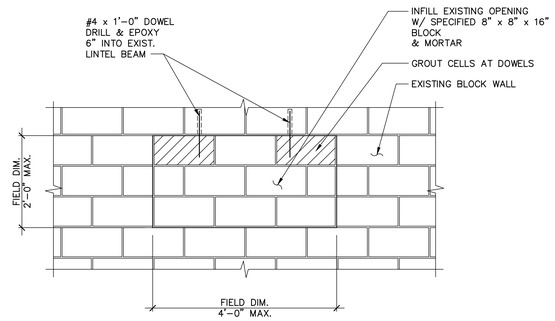


DUCT OPENING IN WALL

REMOVE MORTAR FROM HORIZ. JOINT AS REQ'D. TO INSTALL ANGLES

02 TYPICAL DETAIL

SCALE: 3/4"=1'-0"



INFILL EXISTING OPENING IN WALL

03 TYPICAL DETAIL

SCALE: 3/4"=1'-0"

STRUCTURAL NOTES

GENERAL

1. The Structural Drawings show the completed structural work. They do not show components that may be necessary to support or stabilize the work during construction. The Contractor is solely responsible for ways and means of construction, and for safety on the jobsite during construction.
2. Sections and Details on the Structural Drawings are referenced from the drawings. They apply where referenced, and at all similar locations.
3. Typical Details may not be referenced from the drawings. They apply at the conditions described on the Typical Detail.
4. Field verify all dimensions locating existing building elements.
5. Drawings of existing conditions are based on drawings prepared by HTB Inc., dated 28 December 1982. Notify Structural Studio of any discrepancies between the Contract Documents and existing conditions.

DESIGN LOADS

1. Gravity loads:
   Weight of equipment = as noted on drawings.

REINFORCED CONCRETE

1. Structural concrete shall be of normal weight aggregate with specified properties as described below. Use Type 1 or Type 3 Portland cement. Fly ash may be used to a maximum of 20% of cementitious materials by weight.

	28 day strength	slump	maximum aggregate	air content
Structural concrete	3000 psi	4"	1"	N/A

   Maximum tolerance for slump is 1". Reject any concrete with non-complying slump, and return to the supplier. Submit the proposed mix for review at least 14 days prior to placing concrete.
2. Apply bonding agent to all surfaces to receive concrete.
3. Refer to Specifications for additional requirements.

SAWCUTTING CONCRETE

1. Do not over-cut concrete slab at corners. Preferably use a chain saw designed for this purpose. If a circular saw is used, sawcut until blade reaches corner, then chip or use a chain saw as required to remove remaining concrete.

STRUCTURAL STEEL

1. Structural shapes and plates shall conform to ASTM A36.
2. Provide one shop coat of standard iron oxide primer, with a minimum dry film thickness of 1.5 mils, on structural steel. Exclude surfaces to receive fireproofing, surfaces to be field welded and faying surfaces of connections. Field-paint field connections after installation, to match color and thickness of shop coat.

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS: GENERAL

1. Employ and pay for services of an independent testing laboratory to perform the Special Inspections specified in the Contract Documents or required by the Building Official. Cooperate with the laboratory to facilitate execution of required services.
2. Services of a laboratory do not relieve Contractor's obligations to perform the work in accordance with the Contract Documents.
3. Each inspection shall be documented promptly with a written report; one copy each to the Owner, the Architect, the Contractor and the Structural Engineer. Each report shall include:
   a. Date issued.
   b. Project title and number.
   c. Testing laboratory name, address and telephone number.
   d. Name and signature of laboratory inspector.
   e. Date and time of inspection.
   f. Date of test.
   g. Identification of product.
   h. Location of sample or test in the Project.
   i. Type of inspection or test.
   j. Results of tests.
   k Statement of compliance or non-compliance with Contract Documents.
   l. Interpretation of test results that indicate unsatisfactory conditions.
4. Track all non-complying work in subsequent reports until the work has been corrected and re-inspected.
5. Refer to the Contract Documents and the Building Code for applicable Standards and Criteria.

SPECIAL INSPECTIONS: CONCRETE

1. Perform continuous inspection of concrete during placement on site.
2. Inspect plastic concrete at site to verify that concrete is thoroughly and properly mixed. Control consistency of mix to protect against segregation due to excessive water. Adjust amounts of mixing water to assure uniform consistency of each batch.
3. Check mixing time of concrete in trucks.
4. Certify each delivery ticket indicating class of concrete delivered, and record amount of water added, time of mixing, time of discharge, slump and location of placement.
5. Promptly report to Contracting Officer details of reasons for rejection of any quantities of concrete. Report locations of concrete pours, quantities, date of pours and other pertinent facts concerning concrete represented by rejected specimens.
6. Test cylinders: during progress of work, mold, cure and test specimens in accordance with Specifications.
7. Slump tests: make slump tests for each 50 cubic yards of concrete placed, and for each set of cylinders in accordance with ASTM C143.
8. Temperature of concrete: determine temperature of concrete for each compressive strength test.
9. Curing of concrete: inspect for maintenance of specified curing temperature and protection techniques.
10. Reinforcing steel inspection:
    a. Perform visual inspection prior to placement for size, type, and quality of materials.
    b. Inspect placement of reinforcement for conformance with Contract Documents and shop drawings, including size, vertical location, horizontal spacing, correctness of bends, splices, clearance between bars and forms, firmness of installation, and security of support and ties.
    c. Verify that steel is free of form release oil and other deleterious materials.

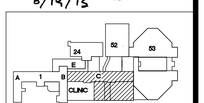
SPECIAL INSPECTIONS: CONCRETE MASONRY

None required.

SPECIAL INSPECTIONS: STRUCTURAL STEEL

None required.

8/19/13



KEY PLAN
SCALE: NO SCALE

PROJECT NORTH

REVISIONS:	DESCRIPTION:	DATE:

Dept. of Veterans Affairs
Jack C. Montgomery
Medical Center
1011 Honor Height Drive
Muskogee, Oklahoma 74401

ENGINEER:

RMD CONSULTING, LLC
2815 VALLEY VIEW LANE, STE. 214
DALLAS, TX 75234
P: 972-488-8077 F: 972-488-8174
OK REG. ENGINEERING FIRM: 5183

CONSULTANTS:

STRUCTURAL STUDIO
Consulting Engineers
1506 Griffin St. West
Dallas, Texas 75215
Tel: (214) 273-0300
Fax: (214) 273-0301
mail@structuralstudio.com
Texas License F-11469
JOB No. 3485

APPROVED:	APPROVED: Interior Designer	APPROVED: Safety Manager	APPROVED: Medical Center Director
APPROVED:	APPROVED:	APPROVED: Infection Control Nurse	APPROVED: Associate Director
APPROVED:	APPROVED:	APPROVED: Industrial Hygienist	APPROVED: Chief of Staff
APPROVED:	APPROVED:	APPROVED: President A.F.G.E. 2250	APPROVED: Chief of Engineering Service

DRAWING TITLE: Level 4, Wing C: Roof Structural Plan

PROJECT TITLE: REPLACE LABORATORY AIR HANDLING UNITS

DATE: 8/19/2013

SCALE: AS SHOWN

PROJECT NO.	CONTRACT NO.	DESIGNED BY:	DRAWN BY:	CHECKED BY:
623-11-107	VA256-12-C-0295			

BUILDING NO.	AUTOCAD FILE NAME:	LOCATION
CLINICAL		Jack C. Montgomery VA Medical Center

DRAWING NO. SS2.0

DWG. 37 OF 40

DEPARTMENT OF VETERANS AFFAIRS